TRANSMITTAL LETTER TO THE UNITED STATES

ATTORNEY'S DOCKET NUMBER

002441.00190

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 09 August 2004 PCT/IB2004/002709 08 August 2003 TITLE OF INVENTION STREPTOCOCCUS PNEUMONIAE KNOCKOUT MUTANTS APPLICANT(S) FOR DO/EO/US COVACCI, Antonello Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), 3. (9) and (24) indicated below. 4.  $\times$ The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) 5. a. 🗆 is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. b. ⊠ c. 🗆 is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). 6. a. 🗆 is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). b. 🗆 Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) 7.  $\Box$ are attached hereto (required only if not communicated by the International Bureau). а. П b. 🗆 have been communicated by the International Bureau. c. 🗆 have not been made; however, the time limit for making such amendments has NOT expired. d. 🗆 have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 8. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 9. П An English language translation of the annexes to the International Preliminary Examination Report under PCT 10. Article 36 (35 U.S.C. 371 (c)(5)). A copy of the International Preliminary Examination Report (PCT/IPEA/409). 11. 12. A copy of the International Search Report (PCT/ISA/210). Items 13 to 23 below concern document(s) or information included: 13.  $\boxtimes$ An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 14. 15. A FIRST preliminary amendment. 16. A SECOND or SUBSEQUENT preliminary amendment. A substitute specification. 17. A power of attorney and/or change of address letter. 18. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 19. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 20. 21. A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 22. Express Mail Label No.

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U.S. APPLICATION NO HIS KNOWN	5701.5)
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INTERNATIONAL APPLICATION NO.

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PCT/IB2004/002709

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Other items or information: 23.

Form PTO-1449

							ALCULATIONS	PTO USE
The following fees have been submitted:  24. ⊠ Basic national fee								710000
		1	\$300.00					
25. 🗵 Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article \$0  All other situations. \$200							\$200.00	
26. ☑ Search fee (37 CFR 1.492(b))  If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority							\$400.00	
	OF 24, 25 and					\$	\$900.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  Total Sheets Fxtra Sheets Number of each additional 50 or RATE								
Total Sheets	Extra Sheets		thereof (round up to a w					
- 100 =	0 /50 =		0	× \$250.00		\$	\$0.00	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).								
CLAIMS	NUMBER FILED NUMBER EXTRA RATE							
Total claims	19	- 20 =	0	х	50	\$	\$0.00	
Independent clain	ns 2	- 3=	0	х	\$200.00	\$	\$0.00	
MULTIPLE DEPENDENT CLAIMS (if applicable)   → \$360.00						\$	\$360.00	
TOTAL OF ABOVE CALCULATIONS =						\$	\$1,260.00	_
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.						\$	\$0.00	
SUBTOTAL =						<b>s</b>	\$1,260.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).						\$	\$ \$0.00	
						\$	\$ \$1,260.00	
For for recording the englaced engineers (27 CER 1.21(h)). The assignment must be					\$	\$ \$0.00		
TOTAL FEES ENCLOSED =					\$	\$ \$1,260.00		
						Am	ount to be	\$
						Am	ount to be	\$

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PTO-1390 (Rev. 07-2005)
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а. 🔲	A check in the amount of \$	to cover the	ne above fees is	enclos	THIO	08 FEB ZUUD		
b. 🗵	Please charge my Deposit Account No.  A duplicate copy of this sheet is enclosed.	19-0733	in the amour	nt of \$	\$1,260.00	to cover the above fees.		
с. 🗵	The Commissioner is hereby authorized to to Deposit Account No. 19-0733		ditional fees whi copy of this she			credit any overpayment		
d.  Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.								
SEND A	ALL CORRESPONDENCE TO:		Ö	mal	4. Hewwe	udiefer		
Julia R	Rosenthal		ર્ડા	GNATU	RE	0		
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